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TECHNOLOGY CENTER 2800

Application No.: 09/462,171

Docket No.: I8363.0001/P001

**ABSTRACT**

A microelectronic network is fabricated on a fibrous skeleton by binding or complexing electronically functional substances to the nucleic acid skeleton. The skeleton comprises fibers with nucleotide chains. The assembly of the fibers into the network is based on interactions of nucleotide chain portions of different fibers.